

Title (en)
Surgical tilt anvil assembly

Title (de)
Chirurgische Kippambossanordnung

Title (fr)
Assemblage avec enclume chirurgicale inclinable

Publication
EP 2153781 A3 20100317 (EN)

Application
EP 09251972 A 20090811

Priority
• US 8805508 P 20080812
• US 51234209 A 20090730

Abstract (en)
[origin: EP2974676A1] An anvil and an anvil delivery system comprising: an anvil assembly including a head assembly and a center rod defining a longitudinal axis, the head assembly pivotally secured to the center rod and movable from an operative position to a first tilted position; an adapter having a first end secured to the center rod and a second end; a flexible tube having an open end secured to the second end of the adapter; and a first suture secured to the head assembly, the first suture being positioned in tension to maintain the head assembly in the first tilted position, characterized in that the first suture is positioned in frictional contact between an inner surface of the flexible tube and the second end of the adapter to retain the first suture in tension.

IPC 8 full level
A61B 17/11 (2006.01); **A61B 17/115** (2006.01)

CPC (source: CN EP US)
A61B 17/068 (2013.01 - US); **A61B 17/1114** (2013.01 - CN EP US); **A61B 17/115** (2013.01 - EP US); **A61B 17/1152** (2013.01 - CN); **A61B 17/1155** (2013.01 - EP US); **A61B 2017/00663** (2013.01 - CN); **A61B 2017/07257** (2013.01 - EP US)

Citation (search report)
• [XAI] EP 0570915 A2 19931124 - UNITED STATES SURGICAL CORP [US]
• [A] EP 1857058 A1 20071121 - TYCO HEALTHCARE [US]
• [A] US 2007272722 A1 20071129 - ARANYI ERNEST [US]
• [A] US 2005205639 A1 20050922 - MILLIMAN KEITH L [US]
• [A] EP 1658813 A1 20060524 - UNITED STATES SURGICAL CORP [US]

Cited by
EP3747374A1; EP3205292A1; EP3087933A1; EP2959846A1; EP2914182A4; RU2661056C2; EP2676617A1; CN110974330A; EP2545859A4; EP3031408A1; AU2015252140B2; EP2813187A1; EP2939613A1; JP2015208676A; AU2015200756B2; WO2012032303A1; WO2012125615A3; WO2013060832A1; WO2014085303A3; WO2014089203A3; US9693777B2; US9757124B2; US9820738B2; US9839422B2; US9839423B2; US9884456B2; US10004497B2; US10335145B2; US10426463B2; US10426467B2; US10426471B2; US10456137B2; US10517595B2; US10517596B2; US10603036B2; US11571210B2; US9642620B2; US9814462B2; US9987000B2; US10052044B2; US10206605B2; US10327767B2; US10363036B2; US10390841B2; US10542979B2; US10548504B2; US10675024B2; US10702270B2; US10980539B2; US11000278B2; US9700309B2; US9782169B2; US9855045B2; US9901346B2; US9901342B2; US9901344B2; US9901345B2; US9980729B2; US9993258B2; US9999426B2; US10004505B2; US10226250B2; US10245029B2; US10245030B2; US10307163B2; US10368864B2; US10413291B2; US10433837B2; US10470764B2; US10653413B2; US10675035B2; US10779833B2; US9603991B2; US9844375B2; US9861359B2; US9913648B2; US10070861B2; US10076325B2; US10206678B2; US10258418B2; US10293100B2; US10314589B2; US10335151B2; US10342541B2; US10383633B2; US10405859B2; US10420561B2; US10420560B2; US10426481B2; US10485546B2; US10485536B2; US10568625B2; US10575868B2; US10660640B2; US10893864B2; US9522005B2; US9750498B2; US9795381B2; US9962158B2; US9987003B2; US10285701B2; US10299787B2; US10327765B2; US10363033B2; US10368863B2; US10441280B2; US10765429B2; US10980540B2; US11517325B2; US9867619B2; US9924944B2; US9993249B2; US10052104B2; US10064621B2; US10064688B2; US10154845B2; US10172620B2; US10213262B2; US10265068B2; US10307160B2; US10327777B2; US10478188B2; US10524788B2; US10561420B2; US10736636B2; US11284890B2; US11690623B2; US9615826B2; US9629814B2; US9681870B2; US9770245B2; US10076326B2; US10085748B2; US10105139B2; US10117649B2; US10172619B2; US10238390B2; US10251648B2; US10265074B2; US10314587B2; US10357252B2; US10368865B2; US10390823B2; US10856866B2; US11039836B2; US11058418B2; US11272927B2; US8870911B2; US9662110B2; US9743929B2; US9750499B2; US9757130B2; US9808246B2; US10028761B2; US10188385B2; US10201364B2; US10201363B2; US10245033B2; US10278722B2; US10299817B2; US10307159B2; US10357246B2; US10413293B2; US10441285B2; US10448948B2; US10463384B2; US10463383B2; US10499890B2; US10524790B2; US10531874B2; US10729436B2; US10729432B2; US10743849B2; US10893853B2; US9649111B2; US9687236B2; US9690362B2; US9733663B2; US9730695B2; US9795382B2; US9804618B2; US9826977B2; US9844373B2; US9943309B2; US9968355B2; US10004501B2; US10013049B2; US10070863B2; US10117653B2; US10136889B2; US10159482B2; US10245035B2; US10245027B2; US10285705B2; US10285699B2; US10314582B2; USD854151S; US10376263B2; US10413297B2; US10433846B2; US10485542B2; US10842489B2; US10842488B2; US10856868B2; US10869664B2; US10932774B2; US11224426B2; US11497488B2; US11622766B2; US9700310B2; US9795384B2; US9801634B2; US9808249B2; US9833236B2; US9839429B2; US9913647B2; US9918704B2; US9924947B2; US9924942B2; US9974529B2; US9974538B2; US9980713B2; US9987006B2; US10028743B2; US10045769B2; US10058327B2; US10130352B2; US10136890B2; US10194910B2; US10201349B2; US10206676B2; US10238385B2; US10238387B2; US10265067B2; US10335148B2; US10441281B2; US10463372B2; US10470763B2; US10517590B2; US10588612B2; US10624634B2; US10796471B2; US10828032B2; US11006951B2; US11918209B2; US9826978B2; US9848873B2; US10045781B2; US10045776B2; US10045778B2; US10064624B2; US10105136B2; US10130361B2; US10149680B2; US10172616B2; USD850617S; US10182819B2; US10238389B2; US10245032B2; US10258333B2; US10265072B2; US10335150B2; US10363037B2; US10368867B2; US10383630B2; US10398436B2; US10426469B2; US10433840B2; US10448950B2; US10478181B2; US10485541B2; US10687812B2; US10736628B2; US10765425B2; US10874391B2; US10898184B2; US11617575B2; US9603595B2; US9649110B2; US9655626B2; US9706991B2; US9801626B2; US9814460B2; US9826976B2; US9839428B2; US9839420B2; US9844368B2; US9867618B2; US9867612B2; US9872684B2; US9872682B2; US9877723B2; US10085751B2; US10117652B2; US10136887B2; US10149680B2; US10172616B2; USD850617S; US10405857B2; US10413294B2; US10420550B2; US10420555B2; US10420549B2; US10448952B2; US10456133B2; US10470770B2; US10485537B2; US10499921B2; US10524798B2; US10595862B2; US10687806B2; US10881396B2; US11058423B2; US9603598B2; US9629623B2; US9629629B2; US9675355B2; US9687237B2; US9724091B2; US9730692B2; US9750501B2; US9808244B2; US9833242B2; US9839427B2; US9844374B2; US9844376B2; US9883860B2; US9888919B2; US9895147B2; US9968356B2; US9999431B2; US10028742B2; US10130363B2; US10149683B2; US10149679B2; US10180463B2; US10213201B2; US10226249B2; US10238391B2; US10285695B2; US10307170B2; US10390825B2; US10433844B2; US10470762B2; US10517594B2;

US10912575B2; US10973516B2; US11160551B2; US11179150B2; US11213293B2; US9724094B2; US9737301B2; US9757128B2; US9788836B2; US9833241B2; US9844369B2; US9877721B2; US9931118B2; US9993248B2; US10010322B2; US10010324B2; US10016199B2; US10045779B2; US10058963B2; US10071452B2; US10098636B2; US10111679B2; US10130359B2; US10135242B2; US10159483B2; US10182816B2; US10245028B2; US10258336B2; US10299792B2; US10321907B2; US10327769B2; US10335144B2; US10342533B2; US10426480B2; US10470768B2; US10485539B2; US10542988B2; US10653417B2; US10695053B2; US10758233B2; US10835249B2; US10842491B2; US10993717B2; US11051811B2; US11058420B2; US11058425B2; US11129615B2; US11185330B2; US11406379B2; US11517315B2; US9498222B2; US9724100B2; US9724092B2; US9775614B2; US9788834B2; US9795383B2; US9801628B2; US9801627B2; US9808247B2; US9833238B2; US9844372B2; US9848875B2; US9861361B2; US9883861B2; US9962161B2; US10004506B2; US10123798B2; US10130366B2; US10206677B2; US10211586B2; US10213198B2; US10231794B2; US10238386B2; US10258330B2; US10258332B2; US10327764B2; US10327776B2; US10357247B2; US10363031B2; US10398433B2; US10405854B2; US10426476B2; US10426478B2; US10426477B2; US10492785B2; US10568652B2; US10588623B2; US10617412B2; US10779832B2; US10856875B2; US10918385B2; US11141153B2; US11191539B2; US11690625B2; US11701120B2; US9724098B2; US9763662B2; US9844379B2; US9895148B2; US9913642B2; US9918716B2; US9924961B2; US9968354B2; US10039529B2; US10188393B2; US10258331B2; US10265065B2; US10271851B2; US10271846B2; US10278697B2; US10278702B2; USD847989S; US10292707B2; US10299878B2; US10314590B2; USD851762S; US10321909B2; US10342543B2; US10383634B2; US10398434B2; US10420552B2; US10420553B2; US10433849B2; US10456140B2; US10463369B2; US10485547B2; US10492787B2; US10595835B2; US10675021B2; US10682136B2; US10709446B2; US10716614B2; US10765424B2; US10945727B2; US11045191B2; US9907620B2; US10004498B2; US10028744B2; US10052099B2; US10052100B2; US10052102B2; US10098642B2; US10166026B2; US10188394B2; US10213203B2; US10278780B2; US10292704B2; US10357251B2; US10390829B2; US10433845B2; US10433918B2; US10441369B2; US10463370B2; US10470769B2; US10517682B2; US10517599B2; US10639115B2; US10751138B2; US10779822B2; US10828028B2; US10980538B2; US11000277B2; US11058426B2; US11064998B2; US11103248B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2153781 A2 20100217; EP 2153781 A3 20100317; EP 2153781 B1 20111102; AT E531326 T1 20111115; AU 2009208067 A1 20100304; AU 2009208067 B2 20150312; CA 2674848 A1 20100212; CA 2674848 C 20161011; CN 101647720 A 20100217; CN 101647720 B 20141029; CN 104224265 A 20141224; EP 2208468 A1 20100721; EP 2208468 B1 20151202; EP 2308392 A1 20110413; EP 2308392 B1 20151007; EP 2415407 A1 20120208; EP 2415407 B1 20191002; EP 2974676 A1 20160120; EP 2974676 B1 20200617; ES 2374492 T3 20120217; ES 2552244 T3 20151126; ES 2558966 T3 20160209; ES 2754102 T3 20200415; JP 2010042259 A 20100225; JP 5463097 B2 20140409; US 2010038401 A1 20100218; US 2012104073 A1 20120503; US 2013068817 A1 20130321; US 2014054353 A1 20140227; US 8109426 B2 20120207; US 8328063 B2 20121211; US 8616428 B2 20131231; US 9532781 B2 20170103

DOCDB simple family (application)

EP 09251972 A 20090811; AT 09251972 T 20090811; AU 2009208067 A 20090810; CA 2674848 A 20090806; CN 200910166120 A 20090812; CN 201410492187 A 20090812; EP 10004482 A 20090811; EP 10015026 A 20090811; EP 11187305 A 20090811; EP 15179537 A 20090811; ES 09251972 T 20090811; ES 10004482 T 20090811; ES 10015026 T 20090811; ES 11187305 T 20090811; JP 2009186920 A 20090811; US 201213343082 A 20120104; US 201213674236 A 20121112; US 201314071045 A 20131104; US 51234209 A 20090730